



## DEPARTMENT OF THE INTERIOR

### Fish and Wildlife Service

[FWS-R4-ES-2022-N035; FXES11140400000-223-FF04E00000]

### Endangered Species; Recovery Permit Applications

**AGENCY:** Fish and Wildlife Service, Interior.

**ACTION:** Notice of receipt of permit applications; request for comments.

**SUMMARY:** We, the U.S. Fish and Wildlife Service, have received applications for permits, permit renewals, and/or permit amendments to conduct activities intended to enhance the propagation or survival of endangered species under the Endangered Species Act of 1973, as amended. We invite the public and local, State, Tribal, and Federal agencies to comment on these applications. Before issuing any of the requested permits, we will take into consideration any information that we receive during the public comment period.

**DATES:** We must receive written data or comments on the applications by [INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*].

**ADDRESSES:** *Reviewing Documents:* Documents and other information submitted with the applications are available for review, subject to the requirements of the Privacy Act and Freedom of Information Act. Submit a request for a copy of such documents to Karen Marlowe (see **FOR FURTHER INFORMATION CONTACT**).

*Submitting Comments:* If you wish to comment, you may submit comments by one of the following methods:

- *U.S. mail:* U.S. Fish and Wildlife Service Regional Office, Ecological Services, 1875 Century Boulevard, Atlanta, GA 30345 (Attn: Karen Marlowe, Permit Coordinator).

- *Email: [permitsR4ES@fws.gov](mailto:permitsR4ES@fws.gov)*. Please include your name and return address in your email message. If you do not receive a confirmation from the U.S. Fish and Wildlife Service that we have received your email message, contact us directly at the telephone number listed in **FOR**

**FURTHER INFORMATION CONTACT.**

**FOR FURTHER INFORMATION CONTACT:** Karen Marlowe, Permit Coordinator, 404-679-7097 (telephone), *[karen\\_marlowe@fws.gov](mailto:karen_marlowe@fws.gov)* (email), or 404-679-7081 (fax).

Individuals in the United States who are deaf, deafblind, hard of hearing, or have a speech disability may dial 711 (TTY, TDD, or TeleBraille) to access telecommunications relay services. Individuals outside the United States should use the relay services offered within their country to make international calls to the point-of-contact in the United States.

**SUPPLEMENTARY INFORMATION:** We invite review and comment from the public and local, State, Tribal, and Federal agencies on applications we have received for permits to conduct certain activities with endangered and threatened species under section 10(a)(1)(A) of the Endangered Species Act of 1973, as amended (ESA; 16 U.S.C. 1531 *et seq.*), and our regulations in the Code of Federal Regulations (CFR) at 50 CFR part 17. With some exceptions, the ESA prohibits take of listed species unless a Federal permit is issued that authorizes such take. The ESA's definition of "take" includes hunting, shooting, harming, wounding, or killing, and also such activities as pursuing, harassing, trapping, capturing, or collecting.

A recovery permit issued by us under section 10(a)(1)(A) of the ESA authorizes the permittee to take endangered or threatened species while engaging in activities that are conducted for scientific purposes that promote recovery of species or for enhancement of propagation or survival of species. These activities often include the capture and collection of species, which would result in prohibited take if a permit were

not issued. Our regulations implementing section 10(a)(1)(A) for these permits are found at 50 CFR 17.22 for endangered wildlife species, 50 CFR 17.32 for threatened wildlife species, 50 CFR 17.62 for endangered plant species, and 50 CFR 17.72 for threatened plant species.

### **Permit Applications Available for Review and Comment**

Proposed activities in the following permit requests are for the recovery and enhancement of propagation or survival of the species in the wild. The ESA requires that we invite public comment before issuing these permits. Accordingly, we invite local, State, Tribal, and Federal agencies and the public to submit written data, views, or arguments with respect to these applications. The comments and recommendations that will be most useful and likely to influence agency decisions are those supported by quantitative information or studies.

Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment—including your personal identifying information—may be made publicly available at any time. While you can ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so.

Permit Application Number	Applicant	Species	Location	Activity	Type of Take	Permit Action
TE 28597A-2	Joseph Alderman, Hillsborough, NC	<b>Fishes:</b> Cape Fear shiner ( <i>Notropis mekistocholas</i> ); and <b>Mussels:</b> Appalachian elktoe ( <i>Alasmidonta raveneliana</i> ), Carolina heelsplitter ( <i>Lasmigona decorata</i> ), dwarf wedgemussel ( <i>Alasmidonta heterodon</i> ), James spinymussel ( <i>Parvaspina collina</i> ), littlewing pearlymussel ( <i>Pegias fabula</i> ), and Tar River spinymussel ( <i>Parvaspina steinstansana</i> )	North Carolina, South Carolina, and Virginia	Presence/probable absence surveys	<b>Fish:</b> Capture via seining, handle, identify, and release; and <b>Mussels:</b> Capture, handle, identify, mark, release, and salvage relic shells	Renewal
TE 11044C-1	Tyler Newman, Richmond, KY	Gray bat ( <i>Myotis grisescens</i> ), Indiana bat ( <i>M. sodalis</i> ), and northern long-eared bat ( <i>M. septentrionalis</i> )	Alabama, Arkansas, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New York,	Presence/probable absence surveys	Capture with mist nets, handle, identify, band, and radio tag	Renewal

			North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming			
PER 0042918-0	Frank Ridgley, Zoo Miami, Miami, FL	Florida bonneted bat ( <i>Eumops floridanus</i> )	Florida	Studies to document habitat use, population monitoring, and genetic, virome, dietary, and parasitology analyses	Capture with mist nets, handle, identify, radio tag, buccal swab, recapture if needed, and release	New
TE 81756A-4	Jason Robinson, Lexington, KY	<b>Bats:</b> Gray bat ( <i>Myotis grisescens</i> ), Indiana bat ( <i>M. sodalis</i> ), and northern long-eared bat ( <i>M. septentrionalis</i> ); <b>Fishes:</b> Blackside dace ( <i>Phoxinus cumberlandensis</i> ) and Kentucky arrow darter ( <i>Etheostoma spilotum</i> ); and <b>Crustaceans:</b> Big Sandy crayfish ( <i>Cambarus callainus</i> )	Alabama, Arkansas, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Maryland, Michigan, Mississippi, Missouri, New Jersey, New York, North Carolina, Ohio,	Presence/ probable absence surveys and population monitoring	<b>Bats:</b> Capture with mist nets or harp traps, handle, identify, band, and radio tag; <b>Fishes:</b> Capture via seining, netting, or electroshock, handle identify, and release; and	Renewal

			Oklahoma, Pennsylvania, South Carolina, Tennessee, Vermont, Virginia, and West Virginia		<b>Crustaceans:</b> Capture via seining, handle, identify, and release	
TE 114069-3	Fairchild Tropical Botanic Garden, Coral Gables, FL	<p><i>Agave eggersiana</i> (no common name [NCN]), <i>Amorpha crenulata</i> (crenulate lead-plant), <i>Argythamnia blodgettii</i> (Blodgett's silverbush), <i>Aristida chaseae</i> (NCN), <i>A. portoricensis</i> (pelos del diablo), <i>Brickellia mosieri</i> (Florida brickell-bush), <i>Buxus vahlii</i> (Vahl's boxwood), <i>Calypttranthes thomasi</i> (NCN), <i>Catesbaea melanocarpa</i> (NCN), <i>Cereus eriophorus</i> var. <i>fragrans</i> (fragrant prickly-apple), <i>Chamaecrista lineata keyensis</i> (big pine partridge pea), <i>Chamaesyce deltoidea pinetorum</i> (pineland sandmat), <i>C. deltoidea serpyllum</i> (wedge spurge), <i>C. deltoidea</i> ssp. <i>deltoidea</i> (deltoid spurge), <i>C. garberi</i> (Garber's spurge), <i>Chromolaena frustrata</i> (Cape Sable thoroughwort), <i>Consolea corallicola</i> (Florida semaphore cactus), <i>Cyathea dryopteroides</i> (elfin tree fern), <i>Dalea carthagenensis floridana</i> (Florida prairie-clover), <i>Digitaria pauciflora</i> (Florida pineland crabgrass), <i>Elaphoglossum serpens</i> (NCN), <i>Galactia smallii</i> (Small's milkpea), <i>Harrisia</i> (=Cereus) <i>aboriginum</i> (=gracilis) (aboriginal prickly-</p>	Florida, Puerto Rico, and U.S. Virgin Islands	Short- and long-term <i>ex situ</i> storage, artificial propagation, reintroduction projects, and scientific and conservation research	Collect seeds, spores, cuttings, propagules, and whole plants	Renewal and amendment

		apple), <i>Jacquemontia reclinata</i> (beach jacquemontia), <i>Linum arenicola</i> (sand flax), <i>L. carteri carteri</i> (Carter's small-flowered flax), <i>Lyonia truncata</i> var. <i>proctorii</i> (NCN), <i>Pilosocereus robinii</i> (key tree cactus), <i>Polygala smallii</i> (tiny polygala), <i>Polystichum calderonense</i> (NCN), <i>Sideroxylon reclinatum</i> ssp. <i>austrofloridense</i> (Everglades bully), <i>Thelypteris inabonensis</i> (NCN), <i>T. yaucoensis</i> (NCN), <i>Trichomanes punctatum</i> ssp. <i>floridanum</i> (Florida bristle fern), <i>Vernonia proctorii</i> (NCN), and <i>Zanthoxylum thomasianum</i> (St. Thomas prickly-ash)				
TE 102324-3	Thomas Dickinson, Chapel Hill, NC	<b>Amphibians:</b> Neuse River waterdog ( <i>Necturus lewisi</i> ); <b>Fishes:</b> Cape Fear shiner ( <i>Notropis mekistocholas</i> ), Carolina madtom ( <i>Noturus furiosus</i> ), Roanoke logperch ( <i>Percina rex</i> ), and yellow lance ( <i>Elliptio lanceolata</i> ); and <b>Mussels:</b> Appalachian elktoe ( <i>Alasmidonta raveneliana</i> ), Atlantic pigtoe ( <i>Fusconaia masoni</i> ), Carolina heelsplitter ( <i>Lasmigona decorata</i> ), Cumberland bean (pearlymussel) ( <i>Villosa trabalis</i> ), dwarf wedgemussel ( <i>Alasmidonta heterodon</i> ), James spinymussel ( <i>Parvaspina collina</i> ), littlewing pearlymussel ( <i>Pegias fabula</i> ), oyster mussel ( <i>Epioblasma capsaeformis</i> ), and Tar River spinymussel ( <i>Parvaspina steinstansana</i> )	North Carolina and South Carolina	Presence/probable absence surveys and population monitoring	Capture, identify, and release	Renewal and amendment

TE 68616B-3	Carla Atkinson, University of Alabama, Tuscaloosa, AL	Alabama pearlshell ( <i>Margaritifera marrianae</i> ), Choctaw bean ( <i>Obovaria choctawensis</i> ), fuzzy pigtoe ( <i>Pleurobema strodeanum</i> ), narrow pigtoe ( <i>Fusconaia escambia</i> ), round ebonyshell ( <i>Reginaia rotulata</i> ), southern kidneyshell ( <i>Ptychobranhus jonesi</i> ), southern sandshell ( <i>Hamiota australis</i> ), and tapered pigtoe ( <i>Fusconaia burkei</i> )	Mississippi	Presence/ probable absence surveys, studies to document habitat use, and excretion/ respiration studies	Capture, handle, identify, hold temporarily in containers in stream, and release	Amendment
TE 18986C-3	North Carolina Zoo, Asheboro, NC	Virgin Islands tree boa ( <i>Chilabothrus granti</i> )	Puerto Rico and U.S. Virgin Islands	Captive propagation and reintroduction, maintenance of a satellite population in captivity, genetic analyses and disease screenings, and studies to document habitat use	Remove from the wild, handle, PIT tag, collect blood and tissue samples, radio tag, and salvage	Renewal and amendment



**Authority**

We publish this notice under section 10(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*).

**Aaron Valenta,**  
*Acting Deputy Assistant Regional Director,*  
*Ecological Services.*

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